



U.S. Department of Transportation

National Highway Traffic Safety Administration

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*** *** ***



UM-3705-98 1998 Buick LeSabre

In-depth Vehicle Occupant Report

The University
of Michigan
Transportation
Research Institute

-UMIVOR



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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

Case Veh. (A): 1998 Buick

Type: LeSabre Limited, 4-door sedan

Driver: 69-year-old female CDC: 12-FCEN-3

Situation

(Slide 1) The weather was clear, the roads were dry, and it was daylight. (Slide 2) Case vehicle (A) was traveling north at an unknown speed in the northbound lane of a 2lane asphalt road in a rural area. The driver is a diabetic and had an insulin reaction just as her vehicle approached a right-hand curve. (Slide 3) She had a dizzy episode and may have lost consciousness, causing the vehicle to travel straight, crossing the centerline, and exiting the north edge of the roadway. (Slide 4, 5) Case vehicle (A) traveled 10 meters off the road before striking a 30 cm in diameter tree with its front-end. Case vehicle (A) came to rest with its front-end against the tree, facing north.

(Slide 6, 7, 8, 9, 10) Using the WinSmash accident-reconstruction program and cvalues measured for case vehicle (A), the following Equivalent Barrier Speed was calculated:

		Calculated Velocity Change - kph (mph		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	39 (24)	-39 (-24)	0 (0)

Exterior Damage

(Slide 11, 12) Damage to the front of case vehicle (A) was extensive with a maximum crush of 75 cm to the center portion of the front bumper. The direct damage length was 29 cm and located over the center portion of the bumper. (Slide 13) The front bumper was crushed, the grille was damaged, the right headlight assembly was deformed, and the left headlight assembly was broken. (Slide 14) The hood was crushed, the damaged hood latch was released, and both hood hinges were deformed, but not separated. (Slide 15) The rear edge of the hood was elevated, and it contacted and cracked the left-lower corner of the windshield. (Slide 16) On the left side, the front fender was deformed, and the left wheelbase was reduced 5 cm. (Slide 17, 18) On the right side, the front fender was deformed, and the right wheelbase was reduced 3 cm.

Interior Damage

(Slide 19, 20) This vehicle is equipped with steering-wheel and passenger frontal-impact airbags which deployed during the frontal impact. (Slide 21) There were pink lipstick marks on the center portion of the steering-wheel airbag skin, indicating driver facial contact, and there were tiny cuts in the airbag skin from windshield glass. There was blood on the airbag skin from driver hand wounds. (Slide 22, 23) There was no damage to the steering-wheel rim, and no rotation of the steering column. (Slide 24) The left-center portion of the windshield was cracked from driver-left hand contact. (Slide 25, 26, 27) There was no damage to the upper portion of the instrument panel, center dash area, or glove compartment. (Slide 28) The trim piece located on the mid portion of the instrument panel popped off, (slide 29) and the lower portion of the instrument panel was damaged and contacted by the driver. (Slide 30) The gas pedal was bent laterally to the left, indicating driver foot contact. There was no other interior damage and no intrusions were noted.

Occupant Kinematics and Injuries

(Slide 31) The 69-year-old female driver was wearing the 3-point belt and the airbag deployed. She reportedly had the seat in the forward seat-track position, and the tilt steering wheel in the mid position. The shoulder-belt anchor point was adjusted to the lowest position on the B-pillar. During the frontal impact the driver continued forward into

the belt restraint and deploying airbag. (Slide 32) Her face was contacted by the deploying airbag, resulting in an abrasion to her left cheek. (Slide 33) She sustained contusions to her left anterior forearm, and left anterior upper arm, probably from contact by the deploying airbag. She also sustained lacerations to her left posterior hand and forearm, and a contusion to her left posterior hand across the knuckles, due to her hand being flung into the windshield by the airbag, as evidenced by star-pattern cracks in the windshield above and to the left of the steering wheel. She also sustained a sprain to her right thumb, probably from the deploying airbag or steering wheel. She sustained circular shaped contusions to her left and right breasts from the deploying airbag, (slide 34) and her right foot contacted and deformed the gas pedal, resulting in a sprain to her right ankle. (Slide 35) Scuff marks on the lower portion of the instrument panel indicate driver contact, but no injury was noted.

(Slide 36) The attached table summarizes the injury information for the restrained driver.

Occupant: Driver Restraints: 3-point restraint worn, airbag deployed

Age: 69 years Stature: 157 cm (5 ft 2 in)

Sex: Female Mass: 59 kg (130 lb)

			Injury Source	
Injury Description	A.I.S.	Definite	Probable	Possible
Abrasion, left cheek	1	Airbag		
Contusion, left anterior upper arm	1		Airbag	
Contusion, left anterior forearm	1		Airbag	
Lacerations, left posterior forearm	1	Windshield (airbag fling)		
Lacerations, left posterior hand	1	Windshield (airbag fling)		
Contusion, left posterior hand across the knuckles	1	Windshield (airbag fling)		
Circular contusion, left breast	1	Airbag		
Circular contusion, right breast	1	Airbag		
Sprain, right thumb	1		Airbag, steering wheel	
Sprain, right ankle	1	Gas pedal/toepan		
Maximum A.I.S. Level	1			
Injury Severity Score	<u>2</u>			

VERSION 05 4 **TEAM CODE ACCIDENT ID VEHICLE NUMBER** MODULE 1 **FORMAT** FORM VERSION <u>5</u>

NO. OF CASE VEHICLES IN ACCIDENT **NUMBER OF SLIDES TEAM REPORT NUMBER**

ADMINISTRATIVE

AD-1

SPECIAL STUDY (00) None

(01) Offset Frontal

(98) Not Applicable

2	9_
38	39

DATE OF FIELD INVESTIGATION:	,98
INVESTIGATOR:	
LOCATION WHERE VEHICLE WAS EVALU	JATED:
	MICHICAN

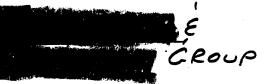
CIRCLE PHOTO RECORDS MADE:



NEGATIVES

POLAROIDS

REPORT PREPARED BY:

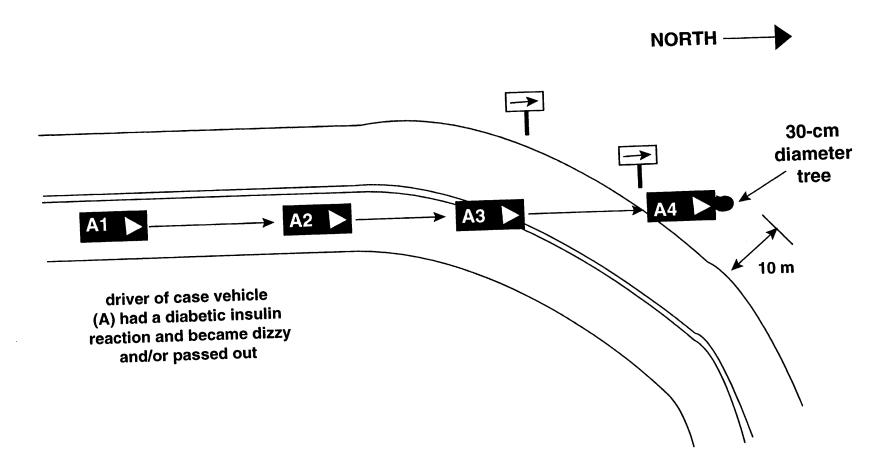


TIME DATE OF COLLISION THE DATE OF COLLISION HOUR OF COLLISION (24 HOUR CLOCK) LOCATION STATE: MICHICAN STATE: MICHICAN STATE FIPS CODE AREA (1) URBAN (2) RUBAN (2) RUBAN (2) RUBAN (2) RUBAN (3) SLOPE (2**) (4) BOTTOM OF HILL (5) CREST OF HILL (5) CREST OF HILL (6) UNKNOWN SURFACE COVERING (10) DRY (21) WATER - DAMP (22) WATER - AMOUNT UNKNOWN (31) SLUSH (31) SLUSH (32) SNOW - CONDITION UNKNOWN (31) SLUSH (33) SNOW - CONDITION UNKNOWN (41) ISE (32) SNOW - CONDITION UNKNOWN (53) SLUSH (6) UNKNOWN (6) UNKNOWN (6) UNKNOWN (7) OTHER: (Duplicate columns 1-8 Module G Format from the previous card. 9 10	0 1	GENERAL INFORMATION	GI-1
COCATION STATE: MICCHICAD		HOUR OF COLLISION 173	уу	CONSTRUCTION ZONE (0) NO (1) YES (9) UNKNOWN ROAD ALIGNMENT	31
LIMITED-ACCESS HIGHWAY (0) NO (1) YES (9) UNKNOWN ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE) (1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVEWAY (7) OTHER: (9) UNKNOWN INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR (8) NOT APPLICABLE TYPE OF ROAD SURFACE (1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN (31) SNOW - LOOSE (32) SNOW - POCKED (39) SNOW - CONDITION UNKNOWN (41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: (99) UNKNOWN VISIBILITY LIMITATION (FOR CASE VEHICLE) (0) NONE (1) CLOUDYDARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARIE (6) RAIN (7) OTHER: (8) ICE/SNOW (9) UNKNOWN VISIBILITY OBSTRUCTION		STATE: MICHICAN STATE FIPS CODE AREA (1) URBAN (2) RURAL	2	(2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN ROAD ALIGNMENT HORIZONTAL PLANE (1) STRAIGHT (2) CURVE (3) T - SHAPED (4) Y - SHAPED (7) OTHER:	2 3
(7) OTHER: (9) UNKNOWN INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR (8) NOT APPLICABLE TYPE OF ROAD SURFACE (1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (99) UNKNOWN VISIBILITY LIMITATION (FOR CASE VEHICLE) (0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: (8) ICE/SNOW (9) UNKNOWN VISIBILITY OBSTRUCTION	*€ **	LIMITED-ACCESS HIGHWAY (0) NO (1) YES (9) UNKNOWN ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE) (1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES	26	(10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN (31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN (41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER:	10
(9) UNKNOWN (0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE		(9) UNKNOWN INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR (8) NOT APPLICABLE TYPE OF ROAD SURFACE (1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (7) OTHER: (9) UNKNOWN	/	VISIBILITY LIMITATION (FOR CASE VEHICLE) (0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: (8) ICE/SNOW (9) UNKNOWN VISIBILITY OBSTRUCTION (FOR CASE VEHICLE) (0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS)	<u>⊘</u> 35

		GENERAL INFORMATION GI-2
ENVIRONMENTAL CONDITIONS SPEED LIMIT (0) 5-45 km/h 5-25 mph (1) 46-55 30 (2) 56-60 35 (3) 61-70 40 (4) 71-79 45 (5) 80-85 50 (6) 86-90 55 (7) 91-105 60 (8) OVER 105 65 (9) UNKNOWN	<u>6</u>	MECHANICAL MALFUNCTION WAS THERE MENTION OF A MECHANICAL MALFUNCTION IN CASE VEHICLE (0) NO (1) YES (2) YES, DID NOT CONTRIBUTE TO ACCIDENT (9) UNKNOWN
PRECIPITATION	$\frac{0}{39}$ $8 40$ $9 42$ $1 43$	THE FOLLOWING SECTION SHOULD BE FILLED OUT IF A MECHANICAL MALFUNCTION IS RECOGNIZED OR SUSPECTED. CIRCLE ITEMS INVOLVED. SUPPORT ANY ITEMS CIRCLED WITH COMMENTS. BRAKE SYSTEM DRIVER CONTROLS EXHAUST SYSTEM POWER TRAIN STEERING SYSTEM FUEL SYSTEM SUSPENSION SYSTEM VISIBILITY ITEMS ELECTRICAL SYSTEM TIRES THROTTLE CONTROLS UNKNOWN OTHER: COMMENTS: COMMENTS:

			GENERAL INFORMATION	GI-3
	CRASH DETAILS CASE VEHICLE AND OBJECT (0) NO (1) YES (9) UNKNOWN	45	HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE) (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN	
	CASE VEHICLE ROLLOVER (0) NO ROLLOVER (1) YES, FIRST EVENT (2) YES, SUBSEQUENT EVENT (3) YES, SEQUENCE UNKNOWN (9) UNKNOWN	<u>O</u>	(6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (9) UNKNOWN DRIVER IMPAIRMENT	2 53
	CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT) (0) NO (1) YES (9) UNKNOWN		DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE) (0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/ NO DRIVER	<u>O</u>
	MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE (0) NO (1) YES (9) UNKNOWN	<u>O</u>	DRIVER ALCOHOL BAC (CASE VEHICLE) (80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN	. <u>80</u>
€.	CASE VEHICLE AND CONTACTED STOPPED VEHICLE (0) NO (1) YES (9) UNKNOWN	<u>O</u> 49	WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE? (0) NO (1) YES (9) UNKNOWN	57
	STOPPED CASE VEHICLE AND CONTACTED VEHICLE (0) NO (1) YES (9) UNKNOWN TOTAL NUMBER	<u>O</u> 50	DIABETIC - INSULING	
	OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH (8) 8 OR MORE (9) UNKNOWN	<u>O</u> 51	Post - Crash Detail MANNER CASE VEHICLE LEFT SCENE	
	ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE) (0) NO (1) YES (9) UNKNOWN	<u>O</u> 52	 (1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN 	2 50

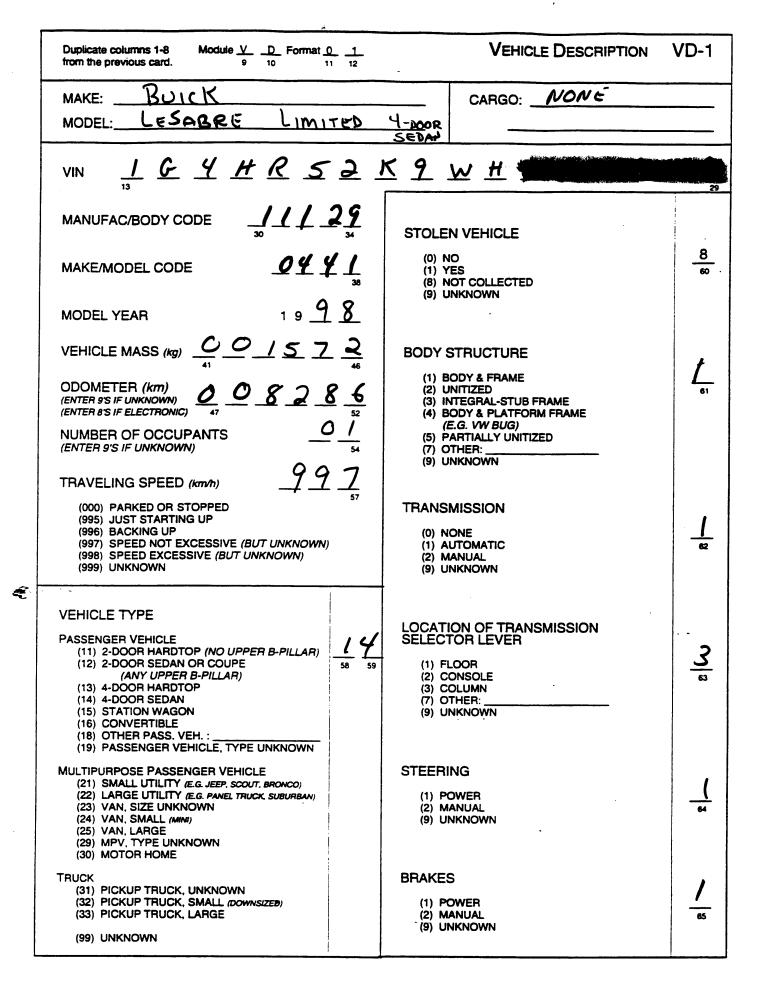
ACCIDENT DESCRIPTION: CASE VEHICLE (A) WAS CASE VEHICLE (A): 1998 BUICK	· CESABRE
TRAVELING NORTH IN THE NORTH BOUND OTHER VEHICLE (B):	I
CANE AT AN UNKNOWN SPEED, THE THIRD VEHICLE (C):	
DRIVER HAD A DIABETIC INSULIN REACTION AND AS SHE	
APPROACHED A RICHT CURVE, THE VEHICLE CROSSED THE	
CENTERLINE, EXITED THE NORTHWEST EDCE OF THE ROAD AND	
STRUCK A TREE HEADON.	NORTH



Duplicate columns 1-8 Module O V Format 0 from the previous card.	1 12	OTHER VEHICLE	OV-1
MAKE: NOT APPLICAS	1, 1	CARGO:	
MODEL:			
VIN			
MANUFAC/BODY CODE		VEHICLE TYPE	
MAKE/MODEL CODE	38	PASSENGER VEHICLE (02) LARGE (03) LIMOUSINE (17) PICKUP CAR (20) UNKNOWN PASSENGER VEHICLE BODY	54 50
MODEL YEAR 1 9		(24) SUB-MINI (25) MINI (26) SUB-COMPACT (27) COMPACT	
VEHICLE MASS (kg)	46	(28) INTERMEDIATE (29) FULL	
IF SEPARATE REPORT WAS MADE, GIVE VEHICLE NUMBER	_	MULTIPURPOSE PASSENGER VEHICLE (14) SMALL UTILITY (WHEELBASE LESS THAN 107', E.G. JEEP, BRONCO) (15) LARGE UTILITY (WHEELBASE MORE THAN 107', E.C.ZILINEL TRUCK, SUBURBAN)	
NUMBER OF OCCUPANTS (ENTER 9'S IF UNKNOWN)	<u> </u>	(15) LARGE UTILITY (WHEELBASE MORE THAN 107, EQUIVAL TRUCK SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (17) PICKUP CAR WITH CANOPY/SHELL COVER (21) MOTOR HOME (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (23) PICKUP CAR WITH SLIDE-IN CAMPER (31) CHASSIS-MOUNTED CAMPER	
TRAVELING SPEED (km/h) (000) PARKED OR STOPPED (995) JUST STARTING UP (996) BACKING UP (997) SPEED NOT EXCESSIVE (BUT UNKNOWN) (998) SPEED EXCESSIVE (BUT UNKNOWN) (999) UNKNOWN	52	TRUCK (11) VAN (12) PICKUP TRUCK (13) UNKNOWN LIGHT TRUCK (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (30) UNKNOWN TRUCK TYPE (31) CHASSIS-MOUNTED CAMPER (33) DELIVERY VAN (WALK-IN)	
HIGHEST POLICE INJURY SEVERITY CODE FOR THIS VEHICLE (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (8) UNOCCUPIED VEHICLE (NOT APPLICABLE) (9) UNKNOWN	53	(34) STRAIGHT TRUCK (35) TRUCK-TRACTOR (BOBTAIL) (36) CHASSIS-CAB (37) UNKNOWN HEAVY TRUCK (38) TRACTOR & SEMI-TRAILER (SEMI) (39) TRUCK (OR SEMI) & FULL TRAILER(S) BUS (40) UNKNOWN BUS TYPE (41) SCHOOL BUS (42) INTERCITY BUS (BETWEEN CITIES) (43) TRANSIT BUS (INTRACITY) (44) STREETCAR (ON TRACKS) (68) TRAIN (CARS) (69) LOCOMOTIVE (ENGINE, SWITCHER) (99) UNKNOWN	
		WHEELBASE <i>(cm)</i> (999) UNKNOWN	56 57 58

€

Duplicate columns 1-8 from the previous card.	Module 0 V Format 0 2 9 10 11 12	Отн	ER VEHICLE OV-2
	ORIGINAL S	PECIFICATIONS	
Wheelbase	cm	Front Overhang	cm
Curb Weight	kg	Rear Overhang	cm
Average Track Width	cm	Undeformed End Width (UEV	V) cm
Overall Length	cm	Engine Displacement	31 · 32 L
Overall Width (OAW)	cm	Engine: # of Cylinders	33 34
	VEHICL	E DAMAGE	•
-			
	NOT APPLIC	(AD) ~	
	FRONTAL CI	RASH OVERLAP	
Round up for .5. 98 = nter % overlap or "99" fo		Direct Damage Length (DDL)	35 cm
•			
Front-End	d Overlap (Percent) = $\frac{DDL}{UEW}$	· · · · · · · · · · · · · · · · · · ·	% 38 39



	······································	VEHICLE DESCRIPTION VD-2
TYPE OF BRAKES (1) DRUM, ALL WHEELS (2) DISC, FRONT WHEELS (3) DISC, ALL WHEELS (9) UNKNOWN	2 ===	WHEELBASE (cm) (999) Unknown 281 74 75
BRAKE ANTI-LOCK DEVICE (0) NONE INSTALLED (1) TWO-WHEEL (2) FOUR-WHEEL (7) EQUIPPED, UNKNOWN WHEELS (9) UNKNOWN	2	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED (0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER
AIR CONDITIONING IN VEHICLE (0) NO (1) YES (B) NOT COLLECTED (9) UNKNOWN	8 68	(9) UNKNOWN
TYPE OF DRIVE (1) REAR WHEEL (2) FRONT WHEEL (3) FOUR WHEEL (4) ALL WHEEL DRIVE (9) UNKNOWN	2	FIELD INVESTIGATOR INSTRUCTIONS: 1. INDICATE CRUSHED AREAS BY <u>OUT-LINING NEW PERIMETER</u> OF VEHICLE AND <u>SHADING THE DAMAGED AREAS</u> ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY
DUAL REAR WHEELS (0) NO (1) YES (9) UNKNOWN	<u>O</u>	TO COMPLETELY DESCRIBE THE DAMAGE. 2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
ORIGINAL TYPE OF RESTRAINT SYSTEM (1) ACTIVE BELT (2) PASSIVE BELT (3) AIRBAG (4) KNEE BOLSTERS (7) OTHER: (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	3	3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR. 4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE. EXAMPLES:
EQUIPPED WITH ROLL BAR (0) NO (1) YES (9) UNKNOWN TYPE OF ROOF	<u>O</u>	FRONT OR REAR
(0) NONE (1) SOLID (2) T-TOP CLOSED (3) T-TOP OPEN (4) SUN ROOF CLOSED (5) SUN ROOF OPEN (6) CONVERTIBLE CLOSED (7) CONVERTIBLE OPEN (8) OTHER:	73	ROOF (REFERENCE TO TOP OF DOOR SILL) OR WINDOW SILL)

Duplicate columns 1-8 from the previous card. Module V D Format 0 2 9 10 11 12

VEHICLE DESCRIPTION

VD-3

ORIGINAL SPECIFICATIONS

28/ cm Wheelbase

Curb Weight

Front Overhang

Rear Overhang $\frac{1}{2} \frac{1}{2} \frac{3}{2} cm$ Undeformed End Width (UEW)

Engine Displacement $\frac{3}{31} \cdot \frac{8}{32} \cdot L$

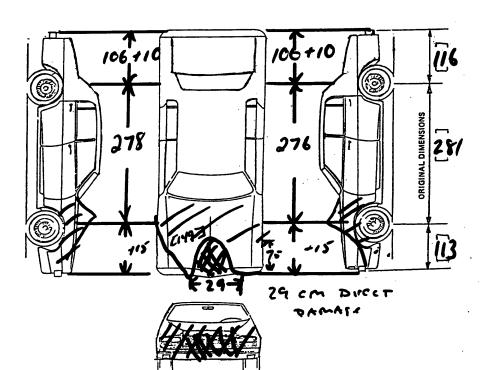
Overall Length

Overall Width (OAW) 1 9 0 cm

Engine: # of Cylinders

VEHICLE DAMAGE





FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) $\frac{9}{35} = \frac{9}{37}$ cm

Front-End Overlap (Percent) = DDL UEW

Vehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW)

€

Duplicate columns 1-8 Module D A from the previous card. 9 10	Format 0 2	DAMAGE DA-1
PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	13	TREE
IMPACT SPEED (km/h)	9 9 9	$998 \over 35 36 37$
ESTIMATED BY	17	/ 38 6
CRUSH (cm)	$\frac{0}{18} \frac{7}{19} \frac{5}{20}$	$\frac{9}{39} \frac{9}{40} \frac{8}{41}$
CDC #1	12.FCEN.3	98.0000.0
CDC #2	98.00000	98.0000
from the previous card. 9 10	Format 0 3 11 12 CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
SECONDARY		
EVENT NUMBER	13	
IMPACT SPEED (km/h)	14 15 16	35 36 37
ESTIMATED BY	17	38
CRUSH (cm)	18 19 20	39 40 41
CDC #1	<u></u>	42 - 48
CDC #2	28 34	49 55
Codes		
EVENT NUMBER (8) NOT APPLICABLE (9) UNKNOWN IMPACT SPEED	(2) DRIVER (3) POLICE (4) *CRASH* PROGRAM	(998) NOT APPLICABLE (NO VEHICLE/DAMAGE) (999) UNKNOWN
(998) NOT APPLICAI (999) UNKNOWN	(5) OTHER COMPUTER PROGRAM SPECIFY: (7) OTHER: (8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	CDC (9800000) NOT APPLICABLE (9900000) UNKNOWN

Module <u>D</u> <u>A</u> Format <u>0</u> <u>1</u> 12 DAMAGE DA-2 Duplicate columns 1-8 from the previous card. MAXIMUM SHEET METAL CRUSH (cm) (999) **UNKNOWN FRONT** RIGHT SIDE REAR LEFT SIDE ROOF **OTHER** CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE DO YOU KNOW THIS TABLE TO BE IN CHRONOLOGICAL ORDER? NOTE: IF CHRONOLOGICAL ORDER IS UNKNOWN, EVENT ORDER IS OPTIONAL (1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	4 32	173	77
#2	37	 	41
#3	42		46
#4	47	49	
#5	52		
#6	57		61
#7	62		66

A

DAMAGE DA-3

CODES FOR IMPACT CONFIGURATION

7

FRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T) (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

(99) IMPACT TYPE UNKNOWN

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) (39) PASSENGER VEHICLE & TRUCK
- (40) (69) OTHER VEHICLE
- (70) (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) (97) OFF-ROADWAY OBJECT
- OTHER (DESCRIBE)
- UNKNOWN (99)

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

WHEELBASE

< 2286 mm (< 90°) SUB-MINI 2286 - 2412 mm (90° - 94.9°) SUB-COMPACT 2413 - 2539 mm (95° - 99.9°) COMPACT 2540 - 2666 mm (100° - 104,9°) INTERMEDIATE 2667 - 2793 mm (105° - 109.9°)

FULL 2794 - 2920 mm (110" - 114.9") LARGE 2921 - 3174 mm (115" - 124.9")

LIMOUSINE > 3175 mm (> 125°)

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107". E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SUDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

£

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 75 cc
- (52) 76 125 cc
- (53) 126 250 cc (54) 251 - 500 cc
- (55) 501 750 ∞
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE...
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE) (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

15

7.5

Duplicate columns 1-8 Module C From the previous card.	Format 0 1		H RECONSTRUCT F AV	TION CR-1
	CASE VEHICLE P	RIMARY IMPACT	CASE VEHICLE SE	CONDARY IMPACT
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	13		47	
ΔV (km/h) TOTAL	039	8 -	48 49 50	66 67 68
LONGITUDINAL*	$\frac{-039}{17}$	35 38	51 54	69 72
LATERAL*	+000	8		
NOTE: THESE AV COMPONENTS MUST INCLUDE SIGN.	21 24	. 39 42	55 58	73 76
EXAMPLES: 10 km/h = ± <u>0</u> 1 <u>0</u> -7 km/h = <u>- 0</u> <u>0</u> <u>7</u>				
ENERGY DISSIPATED BY CRUSH (kj)	OC 94 25	8 - 46	59 62	77 - 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u>			
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL (22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL (23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL	29 30		63 64	
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA (03) EXCESSIVE UNDERRIDE/ OVERRIDE (04) ROLLOVER (05) VAULTING (06) OTHER TRAVEL IN MORE THAN ONE PLANE (07) NON-HORIZONTAL FORCE (08) SIDESWIPE-TYPE DAMAGE (09) YIELDING OBJECT (10) OTHER: (11) AT LEAST ONE VEHICLE BEYOND SCOPE (12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY (2) CDC & DETAILED DAMAGE (3) TRAJECTORY & CDC (4) TRAJECTORY & CDC & DETAILED DAMAGE (5) NOT RECONSTRUCTED	<u>2</u>		6 5	
COMPUTER PROGRAM SPECIFY: WINSMADE				

Duplicate columns 1-8 from the previous card. Module C F	Format 0 2	_	H RECONSTRUCTERS	TION CR-2
	CASE VEHICLE F	PRIMARY IMPACT	CASE VEHICLE SE	CONDARY IMPACT
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	13		47	
EBS (km/h) TOTAL	039	$ \int_{32} \frac{1}{33} = \frac{1}{34} $	48 49 50	66 67 68
LONGITUDINAL*	$\frac{-}{17}$ \bigcirc $\frac{3}{20}$ $\frac{9}{20}$	35 38	51 54	69 72
LATERAL*	1000	8	55 58	73 - 76
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.	21 24	39 . 42	55 56	73 76
EXAMPLES: 10 km/h = ± <u>0</u> 1 <u>0</u> -7 km/h = <u>:</u> <u>0</u> <u>0</u> <u>7</u>				
ENERGY DISSIPATED BY CRUSH (ki)	$\frac{O}{25} \frac{O}{25} \frac{9}{28} \frac{4}{28}$	8	59 62	77 80
RECONSTRUCTION				,
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	22			
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL (22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL (23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL	29 30 24 MPH -24		63 64	
NOT RECONSTRUCTED BECAUSE	10			
(02) INSUFFICIENT DATA (03) EXCESSIVE UNDERRIDE/ OVERRIDE (04) ROLLOVER (05) VAULTING (06) OTHER TRAVEL IN MORE THAN ONE PLANE (07) NON-HORIZONTAL FORCE (08) SIDESWIPE-TYPE DAMAGE (09) YIELDING OBJECT (10) OTHER: (11) AT LEAST ONE VEHICLE BEYOND SCOPE (12) OTHER VEHICLE NOT INSPECTED				
MODE			·	
(1) CDC ONLY (2) CDC & DETAILED DAMAGE (3) TRAJECTORY & CDC (4) TRAJECTORY & CDC & DETAILED DAMAGE (5) NOT RECONSTRUCTED	<u>2</u>		65	
COMPUTER PROGRAM SPECIFY: (A/IA) 5/11/26 1/				

Duplicate columns 1-8 from the previous card.

Module <u>C</u> <u>R</u> Format <u>0</u> <u>3</u> 9 10 11 12 CRASH RECONSTRUCTION

CR-3

NOTES:

- 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
- 2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

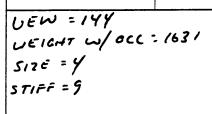
CASE VEHICLE

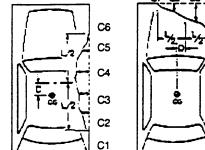
LOCATOR

- 3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
- 4. USE THE CENTER OF THE WHEELBASE AS THE CG.

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	RT OF CENTER BUMPER	BUMPER CORNER TO
	29 cm	BUMPER CORNER







PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other ____
- (9) Unknown

CRUSH PROFILE IN CENTIMETERS

	NOTE: Each	line in the tab		separate rec				umns 1 - 1	2 for each	complete	d line.
Specific Impact Number	Plane of Impact C-Measur.	Direct Length (DDL)	Damage Max Crush	Field	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
1	1	29	78	78	25	33.5	46	73	46	30	+54.2
FREES	PACE -		3		15	7	3	3	7	15	
70 TAL		•	75		10	26.5	43	70	38	15	·
1	1	029	075	078	010	027	043	070	039	015	1025
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8 from the previous card.	Module C R Format	0 4	Crash	RECONS	STRUCT	ION	CR-4
2. MEASU MPACT: 3. D IS PO 4. USE TH	CRASH RECONSTRUCTION D RE C ₁ TO C ₆ FROM DRIVER 1 S, REAR TO FRONT IN SIDE IN SITIVE IF MEASURED TO A PO THE CENTER OF THE WHEELBA Unage with respect to the ve	TO PASSENGER SIDE IN MPACTS. DINT FORWARD OF OR USE AS THE CG.	I FRONT OR REAR TO THE RIGHT OF TI	HE CG.	LC	ER VEH	
Specific Impact No.	Location of	Direct Damage	·	Locat	ion of Fie	eld L	
PLANE: (1) Bumper (2) Above Bum (3) Sill (4) Above Sill (5) Other (9) Unknown		C6 C5 C4 C3 C2 C1 PROFILE IN CEl separate record (card)		DL UDL		complete	d line.
Specific Plane Impact of Impact Number C-Measur.	Direct Damage Length Max (DDL) Crush	Field C ₁	C_2 C_3	C ₄	C ₅	C ₆	±D
- Weasur	(SSE) Clusii	-	 				
1	38 6	· <u>d</u>					
13 14	15 16 17 18 19 20	21 22 23 24 25 26	27 28 29 30 31 3	2 33 34 35	36 37 38	39 40 41	42 43 44 45
		!			•		

Duplicate columns 1-8 Module W T I from the previous card.	Format <u>0</u>		WHEELS AND TIRES WT-1
WHEELSDAMAGED (0) NO (1) YES (9) UNKNOWN	LF RF RR LR	0 13 Q G Q 16	SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S) LF
TIRE TREAD TYPE (1) REGULAR (2) SNOW (3) SLICKS (4) ALL WEATHER (MS) (7) OTHER: (9) UNKNOWN	LF RF RR LR	4 17 4 4 4 4 20	55
CARCASS CONSTRUCTION (1) BIAS (2) BELTED BIAS (3) RADIAL (4) ELLIPTICAL (5) HI PRESSURE SPARE (6) SPACE SAVER SPARE (7) OTHER: (9) UNKNOWN	LF RF RR LR	3 2 3 3 2	
IF VEHICLE IS EQUIPPED WITH DUAL WHEELS, COMPLETE FOR OUTER WHEELS AND MAKE NOTES ON INNER WHEELS. NOTES:			

€

Duplicate columns 1-8 from the previous card. Module F 9	T Format 0	1 12	FUEL AND FUEL TANKS	FT-1
TYPE OF PROPULSIVE FUEL (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: (9) UNKNOWN		13	AUXILIARY TANK TYPE (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>\$</u>
MAIN TANK LOCATION		<u>327</u>	AUXILIARY TANK LOCATION	888
MAIN FILLER CAP LOCATION		1/3	AUXILIARY FILLER CAP LOCATION	888
MAIN TANK MATERIAL	L	20	AUXILIARY TANK MATERIAL	28
	(4) FOF (8) NOT (9) UNK SECOND DI (1) LEF (2) WIT (3) RIGI (4) DUA (8) NOT (9) UNK THIRD DIGI (1) BEL (2) WIT (3) ABO	WEEN KIC RWARD OF FAPPLICAS KNOWN IGIT (LATE) T OF FRAME HT OF FRAME T APPLICAS KNOWN T (VERTIC) OW FRAME HIN FRAME DVE FRAME T APPLICAS	BLE (NOT EQUIPPED) RAL) BE E OR CENTERED ME B LEFT TANKS BLE (NOT EQUIPPED) AL) E E OR CENTERED	
	(1) STE (2) ALU (3) PLA (7) OTH (8) NOT (9) UNK	EL MINUM STIC IER APPLICAE	DES BLE (NOT EQUIPPED)	

Duplicate columns 1-	8
from the previous care	d.

Module <u>F</u> <u>1</u> Format <u>0</u> <u>1</u>

FUEL LEAKAGE

FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

 $\frac{O}{13}$

(1) YES COMPLETE PAGE.

	1	11	111	IV	V	·
LEAK NUMBER	LEAKING COMPONENT	COMPONENT SOURCE	TYPE OF DAMAGE	SEVERITY OF DAMAGE	LOCATION OF LEAK	EVENT NUMBER
#1	14 15	_	_	_		21
#2	22 23		_			29
#3	30 31					37
#4	38 39	_				45
#5	46 47		_			53

LEAKING COMPONENT

TANK AREA

4

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN
- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

I COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D. DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C. CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D. DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8 Module F R Format 0 11 11 11 11 11 11 11 11 11 11 11 11 1	1 12	FIRE	FR-1
WAS THERE FIRE IN (0) NO <u>SKIP PAG</u> (1) YES <u>COMPLE</u>	ŝE.	CASE VEHICLE?	
DID FIRE START IN CASE VEHICLE? (0) NO (1) YES (9) UNKNOWN	14	SEVERITY OF FIRE DAMAGE (1) MINOR (2) MODERATE (3) SEVERE (9) UNKNOWN	16
FLAME PROPOGATION RATE (1) RAPID/EXPLOSIVE (2) SLOW/MODERATE (9) UNKNOWN	15	DID AN INJURY TO CASE VEHICLE OCCUPANT RESULT FROM FIRE IN OR ON CASE VEHICLE? (0) NO (1) YES (9) UNKNOWN	17

PROVIDE NOTES IF FIRE OCCURRED.

\$

Duplicate columns 1-8 Module <u>E</u> <u>D</u> Format from the previous card.	0 1	EXTERIOR DAMAGE	ED-1
HOOD PERFORMANCE		STEERING COL FLEXIBLE COUPLING	
FOR THE FOLLOWING, USE CODES:		FLEXIBLE COUPLING TYPE	İ
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		(0) NONE (1) FLEXIBLE MATERIAL (2) POT (3) SINGLE U-JOINT (4) DOUBLE U-JOINT (5) FLEXIBLE CABLE (6) COMBINATION OF ABOVE (CIRCLE EACH)	9 26
HOOD LATCH(ES)RELEASED	13	(7) OTHER:	
-DAMAGED	14	COUPLINGDAMAGED	9
JAMMED	15	(USE CODES FROM HOOD PERFORMANCE) -SEPARATED (COMPLETE)	9 28
HOOD HINGESLEFT, DAMAGED	16		
-LEFT, SEPARATED (COMPLETE)			
-RIGHT, DAMAGED	18	ENG COMPART TELESCOPING UNIT	
-RIGHT, SEPARATED (COMPLETE)		TYPE OF UNIT (00) NONE INSTALLED (01) - (07) SEE UNITS ON PAGE ED-2 (88) NOT COLLECTED	8 8
HOOD REMAINED ON VEHICLE	20	(97) OTHER:	
REAR EDGE OF HOODELEVATED	<u>/</u>	ORIGINAL LENGTH (mm)	
-CONTACTED WINDSHIELD	$\frac{1}{2}$	F (OR H):	
-PENETRATED WINDSHIELD	<u>0</u> 23	TELESCOPED LENGTH (mm)	
HOOD LATCH LOCATION		<u> </u>	
(1) FRONT OF VEHICLE (2) COWL AREA (3) SIDE (8) NOT APPLICABLE (9) UNKNOWN	24	DIFFERENCE (mm) F (OR H) - G (IF LESS THAN 15mm, ENTER *000*.)	
ENGINE OR TRANSMISSION MOUNT SEPARATION (COMPLETE) (0) NO (1) YES (9) UNKNOWN	<u>S</u>	(888) NOT COLLECTED (991) NOT MEASURED/NO COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN	8 8

€

			EXTERIOR DAMAGE	ED-2
	LEFT-SIDE BODY MOUNT DID BODY MOUNT SEPARATE? (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	<u>0</u>	LEFT DOORS HOW DID DOORS OPEN DURING COLLISION?	
	LEFT PILLARS PILLARS SEPARATED COMPLETELY - USE CODES: (0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN		USE CODES: (0) DOOR DID NOT OPEN OPENED BECAUSE OF (1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OPENED, REASON UNKNOWN	
	-A-PILLAR, UPPER	<u>0</u>	(8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN -FRONT	0 43
	-B-PILLAR, UPPER	36 O 37	-REAR DOORS JAMMED CLOSED-	0 4
4	LOWER	38 O 39	USE CODES: (0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN	. -
	LOWER	39	-FRONT	O 45
	-D-PILLAR, UPPER	8 4		46
	LOWER	42	•	

		EXTERIOR DAMAGE	ED-3
		OTHER REAR DAMAGE	
REAR DOOR REAR DOOR TYPE (0) NO DOOR (INCLUDES PICKUPS) (1) HATCHBACK (2) ONE-WAY TAILGATE (3) TWO-WAY TAILGATE	<u>O</u>	WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION? (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	50
(4) CLAMSHELL/DISAPPEARING TAILGATE (5) SINGLE DOOR (6) DOUBLE DOOR (9) UNKNOWN		SPARE TIRE (0) NO SPARE TIRE	8
Hatchback One-way		 (1) NOT ATTACHED BEFORE COLLISION (2) ATTACHED, NOT SEPARATED IN COLLISION (3) ATTACHED, SEPARATED DUE TO COLLISION (8) NOT COLLECTED (9) UNKNOWN 	51
Two-way or Or		TRAILER HITCH TYPE (0) NO HITCH BALL-AND-SOCKET TYPES (1) TEMPORARY FRAMEWORK (E.G.	<u>\frac{\sigma}{\sigma}</u>
Single door Double door		RENTAL CLAMP-ON) (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK) (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING) (4) LOAD EQUALIZING OTHER TYPES	
HOW DID DOOR OPEN DURING COLLISION? (0) DOOR DID NOT OPEN	8	(5) RING-AND-PINTLE (6) FIFTH-WHEEL (INCL P/U) (7) OTHER (E.G. CLEVIS-AND-PIN) (8) EQUIPPED, TYPE UNKNOWN	
(1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OPENED, REASON UNKNOWN (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN	48	(9) UNKNOWN IF EQUIPPED TRAILER TYPE (AT TIME OF COLLISION) (0) NO TRAILER (1) TRAVEL-TRAILER/CAMPER (2) MOBILE HOME (3) BOAT/SNOWMOBILE/ATV TRAILER (4) UTILITY TRAILER (5) TOWED CAR (7) OTHER: (8) TRAILER, TYPE UNKNOWN (9) UNKNOWN	Ss
(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN	49		

£

		EXTERIOR DAMAGE	ED-4
RIGHT-SIDE BODY MOUNT DID BODY MOUNT SEPARATE? (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	<u>O</u>	RIGHT DOORS HOW DID DOORS OPEN DURING COLLISION? USE CODES:	
RIGHT PILLARS PILLARS SEPARATED COMPLETELY - USE CODES: (0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN		(00) DOOR DID NOT OPEN OPENED BECAUSE OF (01) HINGE AREA SEPARATION (02) DOOR-LATCH SEPARATION (03) LATCH-STRIKER SEPARATION (04) STRIKER-PILLAR SEPARATION (05) BODY DISTORTION (06) COMBINATION OF ABOVE (CIRCLE EACH) (07) OPENED, REASON UNKNOWN (11) VAN RIGHT-REAR DOOR OPENED (ANY MECHANISM)	
-A-PILLAR, UPPER	55	(98) NOT APPLICABLE (NO DOOR) (99) UNKNOWN	00
LOWER -B-PILLAR, UPPER	⊘ se	FRONT DOOR FRONT DOOR FRONT CLOSE AFTER WON'T CLOSE AFTER REAR	<u>OO</u> 65 66
LOWER	O 58	DOORS JAMMED CLOSED- USE CODES: (0) NO (1) YES	
-C-PILLAR, UPPER	<u>O</u>	(8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN -FRONT	0
LOWER	<u>o</u>	PRONT	57 <u>0</u> 68
-D-PILLAR, UPPER	61	VAN REAR DOOR TYPE	
LOWER	<u>8</u>	(0) VAN, NO REAR DOOR (1) TRACK (SLIDING) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (SLIDING) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (NOT A VAN) (9) UNKNOWN	59

		EXTERIOR DAMAGE	ED-5
WINDSHIELD DAMAGE		WINDSHIELD MARK ON CASE VEHICLE:	
WINDSHIELD CRACKED	,	SHADED	
(0) NO (1) YES (8) NOT APPLICABLE	70	EZ -KOOL	
(9) UNKNOWN		SAFETY IN FLO-LITE	
WINDSHIELD BROKEN (PLASTIC INTERLAYER TORN)			
(0) NO (1) YES	71	AS.1 3-	
(8) NOT APPLICABLE (9) UNKNOWN		LAMINATED	
CRACKED OR BROKEN BY OCCUPANT CONTACT		VZ	j
(0) NO (1) YES	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
(8) NOT APPLICABLE (9) UNKNOWN		WINDSHIELD CODE (97) DESCRIBED BUT NOT CODED	TR
EXTENT OF BOND SEPARATION	0	(98) NOT APPLICABLE (NO WINDSHIELD) (99) UNKNOWN	74 75
(0) NONE (1) 1 - 20% (2) 21 - 40	73	Roof	
(3) 41 - 60 (4) 61 - 80 (5) 81 - 99		DID T-ROOF/SUN ROOF OPEN DURING COLLISION?	
(6) TOTAL (7) SEPARATED, AMOUNT UNKNOWN		(0) NO (1) YES	8
(8) NOT APPLICABLE (9) UNKNOWN		(8) NOT APPLICABLE (NOT A T-ROOF OR SUN ROOF) (9) UNKNOWN	76
# ZY - HAND NIA	AM OF THE	R DAMAGE WITH DIMENSIONS (VERTICAL WINDSHIELD AS VIEWED FROM <u>INSIDE</u> .	
28			
MODEL WALK			
			_
	် ငု	- F	ו

Duplicate columns 1-8 from the previous card. Module S C Format C 10 10 10 10 10 10 10 10 10 10 10 10 10	1 12	STEERING WHEEL AND COLUMN	
STEERING WHEEL		STEERING WHEEL POSITION AT TIME OF COLLISION	:
STEERING WHEEL RIM DAMAGE (0) NONE (1) DEFORMED SLIGHTLY (2) SEVERELY BENT (3) BROKEN (9) UNKNOWN	<u>O</u>	IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED? EXAMPLES O'CLOCK = 1 2 O'CLOCK = 0 2	
NUMBER OF STEERING WHEEL SPOKES (9) UNKNOWN	4	(NORMAL STRAIGHT AHEAD) O'CLOCK - 95	
STEERING WHL SPOKE DAMAGE (0) NONE (1) DEFORMED SLIGHTLY (2) SEVERELY BENT (3) BROKEN (9) UNKNOWN	<u>Ø</u>	STEERING WHEEL ENERGY ABSORBING DEVICE (1) EXAMPLES: BARRACUDA, 70-74 CHALLENGER, 70-74 CAPRI, 71-77	
STEERING COLUMN OPTIONS		(2) EXAMPLES: CMMI, 78 - HORIZON, 78 -	
TILT FEATURE (0) NOT EQUIPPED (1) YES, EQUIPPED, UNK POSITION (2) UP (3) MIDDLE (4) LOWER (9) UNKNOWN IF EQUIPPED	3 16	TYPE OF DEVICE (0) NONE (1) CONVOLUTED OR MESH CYLINDER (2) DEEP DISH STEERING WHEEL (7) OTHER: (8) NOT COLLECTED (9) UNKNOWN IF EQUIPPED	8 19
SWING-AWAY FEATURE (0) NOT EQUIPPED (1) YES, EQUIPPED (9) UNKNOWN IF EQUIPPED	<u>O</u>	ORIGINAL DIMENSION (mm) A: DAMAGE DIMENSION (mm) B: DIFFERENCE (mm)	
TELESCOPING FEATURE (0) NOT EQUIPPED (1) YES, EQUIPPED (9) UNKNOWN IF EQUIPPED	<u>O</u>	A - B (888) NOT COLLECTED (991) NOT MEASURED/NO APPARENT COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO MEASURE (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN	8 8

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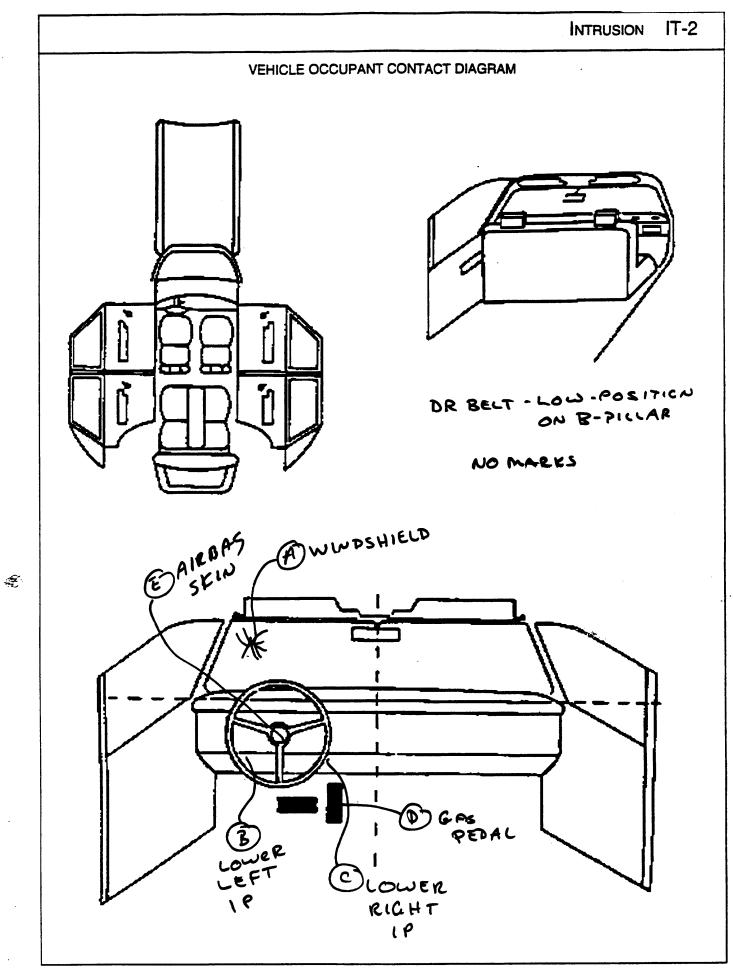
		STEERING WHEEL AND COLUMN	SC-2
STEERING COLUMN ENERGY ABSORBING DEVICE TYPE OF DEVICE * (IF 27 OR 28) (00) NOT EQUIPPED (88) NOT COLLECTED (99) UNKNOWN ORIGINAL LENGTH (mm) C:	8 8 23 24	STEERING WHEEL (CONTINUED) STEERING WHEEL HUB DAMAGE (0) NONE (1) OCCUPANT CONTACT (2) AIRBAG (3) OTHER (9) UNKNOWN	<u>O</u> 33
COMPRESSED LENGTH (mm) D: BRACKET DEFLECTION (IF CODE 36, 48, OR 49 ABOVE) OR COMPRESSION (OR EXTRUSION) (mm) C - D (OR E) (TOLERANCE: ±10) (888) NOT COLLECTED (991) NOT MEASURED/NO APPARENT COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN * (ADD A & B FOR TOTAL COMPRESSION) SHEAR CAPSULE SEPARATION (mm) S (USE AVG. OF LEFT & RIGHT CAPSULES.) LT:	8 8 8 25 27		
(888) NOT COLLECTED (991) NOT MEASURED/NO APPARENT SEPARATION (992) SEPARATED, AMOUNT UNKNOWN (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN	8 8 8		
COLUMN VERTICAL ROTATION (0) NO APPARENT ROTATION (1) UPWARD APPARENT ROTATION (2) DOWNWARD APPARENT ROTATION (9) UNKNOWN	<u></u>		
COLUMN LATERAL ROTATION (0) NO APPARENT ROTATION (1) LEFT APPARENT ROTATION (2) RIGHT APPARENT ROTATION (9) UNKNOWN	<u>x</u>		

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							Intru	SION IT-1
						(All Measurements	Are in Centimeters)	Di4
	Location Intrusio	of n	Intruded	Component	Compar Value	ison Intru e – Val	ded ue = Intrusion	Dominant Crush Direction
						_	=	
						-	=	
L						-	=	
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_				C	OCCUPANT C	CONTACT WORK	SHEET	
	Contact	Co	Interior Imponent Intacted	Occupant No. if Known	Body Region if Known	Suppor	ting Physical Evidence	Confidence Level of Contact Point
	Α	wı	D DSHIEL)	IT APM	CIPCULAR	CRACK	1
	В	LO	wee ct	1	knel	SCUFF		5
	С	6	WER RT	(Kuce	SCUFF		2
	D]	s PEDAL		<u> </u>	BENT		1
	E	1	RBAS	1	FALE		IPSTICK"	1
	F		7					
	G							
_	Н							
	ı							
	J							



CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1)	LEFT	(3) RIGHT	••••••	. INDIVIDUAL SEAT
(1)	LEFT	(2) CENTER	(3) RIGHT	BENCH: FULL WIDTH 3 PASSENGER
(1)	LEFT	(2) LEFT CENTER	(6) RIGHT (3) RIGHT	BENCH: FULL WIDTH 4 PASSENGER
(1)	LEFT	(2) CENTER	(5) RIGHT &AISLE SPACE	. BENCH: PARTIAL WIDTH, LEFT
(0)	LEFT & SPACE	(2) CENTER	(5) RIGHT &SPACE	. BENCH: PARTIAL WIDTH, CENTERED

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR 5 PASSENGERS

VAN 12 PASSENGER CAPACITY

7	(X	11			13	
\	(X	X				21	22	25
د	(X	X				31	32	<i>3</i> 5
د	(X	X	x	41	42	46	43	

CODES FOR COLUMN F, MEASUREMENT AXIS

(X) X-AXIS (FORE & AFT)

(Y) Y-AXIS (LATERAL)

(Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

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INTRUSION IT-4

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT BUT PART OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,
- JACK. DESCRIBE.)
 (49) UNKNOWN EXTERNAL OBJECT

USE ONLY IF ALL THESE COMPONENTS INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50)WINDSHIELD HEADER A-PILLAR
 - ROOF SIDE RAIL
- (51)INSTRUMENT PANEL A-PILLAR DOOR PANEL
- (52)INSTRUMENT PANEL A-PILLAR WINDSHIELD HEADER
- (53)DOOR PANEL B-PILLAR ROOF RAIL
- (54)DOOR PANEL A-PILLAR ROOF RAIL
- (55)INSTRUMENT PANEL FLOOR PAN A-PILLAR DOOR FRAME
- (56)ROOF RAIL A-PILLAR B-PILLAR WINDOW FRAME
- (57)ROOF RAIL A-PILLAR B-PILLAR C-PILLAR DOOR PANEL
- (58)ROOF ROOF RAIL WINDOW FRAME DOOR PANEL
- (59)BACKLIGHT HEADER ROOF C-PILLAR THIRD SEAT-BACK

- (60)ROOF
 ROOF RAIL
 A-PILLAR
 B-PILLAR
 C-PILLAR
 WINDOW FRAME
 DOOR PANEL
 FLOOR PAN
- (61)INSTRUMENT PANEL
 TOE PAN
 WINDSHIELD HEADER
 A-PILLAR
 ROOF RAIL
 WINDOW FRAME
 DOOR PANEL
 ROOF
- (62)ROOF
 ROOF RAIL
 C-PILLAR
 WINDOW FRAME
 FLOOR PAN
 SECOND SEAT
 DOOR PANEL
- (63)ROOF RAIL
 ROOF
 B-PILLAR
 WINDOW FRAME
 FLOOR PAN
 DOOR PANEL
 SECOND SEAT
 FRONT SEAT
- (64)ROOF RAIL
 ROOF OR CONVERTIBLE TOP
 A-PILLAR
 B-PILLAR
 WINDOW FRAME
 WINDOW HEADER
- (65)WINDSHIELD WINDSHIELD HEADER ROOF SIDE RAIL
- (66)WINDSHIELD WINDSHIELD HEADER A-PILLAR

(98)NOT APPLICABLE

(99)UNKNOWN

	columns 1-l previous can		<u> </u>	Format 0	1 12			Inte	RUSION	IT-5
(0) No (1) Yi	O <u>DO NO</u>	UPANT CON TANSWER NEXT BE NEXT QUEST SKIP PAGE.	T QUESTI		1	<u>)</u>		ION CATAS [*] COMPLETE PA SKIP PAGE.		14
from the p		d. ne table below NS <i>CODE IN</i>	9 10 is a sepa		nard). Dup	T TO RIGHT	s 1 - 12 for eac			
				N PAGE IT-4			OCCUPAN	CONTACT A	ND INJURY	
A	В	C	D	E MAXIMUM	F MAXIMUM	G MAXIMUM	. н	ı	J	K
INTRUSION NUMBER	OCC. SPACE NO.	COMPONENT OR OBJECT		INTRUSION	INTRUSION Y AXIS (cm)	INTRUSION	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
오그										
02			_							
03										
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05										
<u> 06</u>										
<u>0_7</u> NOTE: USE	 E ADDITIONAL	PAGE IF MORE TH	 HAN 7 INTR	USIONS.						
	columns 1-6 previous can		<u> </u> T 9 10	Format 0	_3 12		1			
SIDE I RES	PREMAINDE DOOR IN SULTED	TRUSION		IF DA DOO INTRU NUMB	R INTRUS ISION	DOOR CO SION, CODI DAMAGED OMPONENT 1		ENT AGED ONENT 2	D IN INCRI	
INTRUSI NUMBE	ER CAUSE	CODES FOR CAUSE:		A	_			25	(0) NONE (1) A-PILLAR (2) B-PILLAR	
13	15	(1) DIRECT		B	-	-	- 2	 !9	(3) C-PILLAR (4) LATCH/STI (5) HINGES	RIKER
16	18	(2) INDUCED DAMAGE (9) UNKNOWN	N	C 30 31	_	_	-3	13	(7) OTHER:	
		,, =		D	-		3		(9) UNKNOWN	

Duplicate columns 1-8 from the previous card.

Module I T Format 0 2

INTRUSION

- ADDITIONAL PAGE -

IT-6

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION	В	С								OCCUPANT CONTACT AND INJURY			
		INTRUDING COMPONENT OR OBJECT			F MAXIMUM INTRUSION Y AXIS (cm)		H OCCÜPANT NUMBER	INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER			
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33			
08			_										
0 9			_										
10													
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Duplicate columns 1-8 from the previous card.	Modu	le <u> D</u> 9 10	Format 0 1	In	ITERIOR DAMAGE I	D-1
cc	(1	O) NO I) YES B) NO, and	1 OCCUPANT CONTACT	(4) YES, and (8) NOT APPL (9) UNKNOW!	OCCUPANT CONTACT LICABLE N	
SIDES FRONT DOOR FRONT HARDWARE FRONT ARMREST FRONT GLASS REAR DOOR AREA REAR HARDWARE REAR ARMREST REAR GLASS ROOF SIDE RAIL B-PILLAR C-PILLAR D-PILLAR HEADLINING ROOF STRUCTURE T-ROOF/SUN ROOF	LEF 0 13 0 15 0 17 0 19 0 12 0 20 0 20 0 27 0 28 0 37 0 38 0 37 0 38 00 47 00 49		FRONT FOOT CONTROLS IGNITION KEYS REAR VIEW MIRROR SUNVISOR/FITTINGS (5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES WINDSHIELD TOP MOLDINGS LEFT A-PILLAR (UPPER OR LOWER) RIGHT A-PILLAR (UPPER OR LOWER) CENTER CONSOLE TRANSMISSION SELECTOR LEVER RIM, HORN, SPOKE	% \$ 0 \$	INSTRUMENT PANEL UPPER PANEL MID PANEL LOWER PANEL ASHTRAY CONTROL KNOBS & LEVERS GLOVE COMPARTMENT AREA INSTRUMENTS PARKING BRAKE RELEASE PARKING BRAKE PEDAL A/C OR UPPER VENT OUTLETS HEATER OR A/C DUCTS RADIO OTHER: *	0 5 3 5 4 5 6 5 0
OTHER: *	41 8 43	# 8			REAR WINDOW WINDOW HEADER	
			,		CONSOLES VERTICAL ROOF	71

^{*} MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8 Module S T from the previous card. 9 10		2 12	SEATS	•	ST-1
FRONT SEAT TYPE OF FRONT SEAT (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE	DRIVER	PASSENTR O 9 15 16	FRONT SEAT-BACK SEAT-BACK TYPE (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: (8) NOT APPLICABLE (9) UNKNOWN	Driver 3	PASSENTR 31
(09) INDIV. BENCH, PASS. WIDE (97) OTHER: (99) UNKNOWN TYPE OF SEAT MOUNT (1) STANDARD (2) PEDESTAL (7) OTHER: (8) NOT APPLICABLE (9) UNKNOWN	17	18	SEAT-BACK LOCK TYPE (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: (8) NOT APPLICABLE (9) UNKNOWN	1 22	1 33
SWIVEL MECHANISM EQUIPPED (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	19	0 20	LOCKS HELD (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	1 34	35
ORIGINAL EQUIPMENT SEATS (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	21	22	RECLINER MECHANISM HELD (0) NO (1) YES	1	<u>]</u>
CONTACT OF SEAT BY REAR OCCUPANT (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	<u>\$</u>	_&	(8) NOT APPLICABLE (9) UNKNOWN	36	
FRONT SEAT DAMAGE (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN	<u>O</u> 25	<u>O</u> 26	HEAD RESTRAINT HEAD RESTRAINT TYPE (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: (8) NOT APPLICABLE	38	39
CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	27	2	(9) UNKNOWN REMOVED PRE-CRASH (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	<u>O</u>	<u>ð</u>
FRONT SEAT ROTATION (0) NONE APPARENT	0	0	ADJUSTMENT AT CRASH (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN	1 42	7
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY (8) NOT APPLICABLE (9) UNKNOWN	28	29	HEAD RESTRAINT DAMAGE (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN	0 4	<u>O</u>

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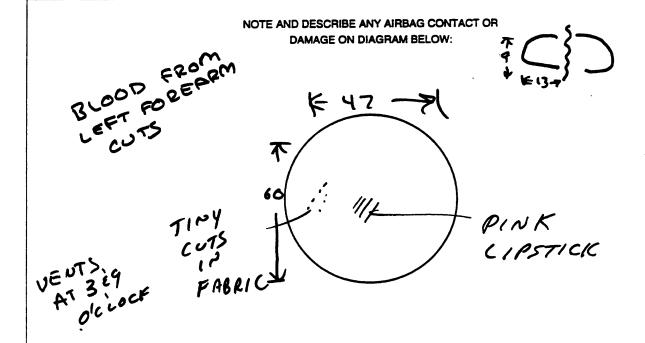
			Si	EATS S	ST-2
FRONT SEAT ADJUSTMENT	DRIVER	PASSENT	SECOND SEAT (CONT.)		
SEAT ADJUSTMENT TYPE (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN	2 46	2 47	(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN	6	<u>Ç</u>
ADJUSTMENT PROVIDED (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: (8) NOT APPLICABLE (9) UNKNOWN	3 48	3	(8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED SECOND SEAT-BACK LOCKS	LEFT	RIGHT
SEAT ADJUSTER DAMAGE (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: (8) NOT APPLICABLE (9) UNKNOWN	<u>Q</u>	51	FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	ç	0
SEAT ADJUSTER SEPARATION (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN	<u>\$</u>	<u>&</u>	LEFT OR CENTER, EQUIPPED LEFT OR CENTER, HELD (3) SEAT FOLDED DOWN RIGHT, EQUIPPED	ω ₂ ω ₈ ω ₈	ထျ _{ို} ထု _ိ ထု _ိ ထု
PRE-CRASH POSITION (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	54	<u>9</u>	RIGHT, HELD (3) SEAT FOLDED DOWN THIRD SEAT	8 67	68
SECOND SEAT TYPE OF SECOND SEAT	LEFT	Rіднт	EQUIPPED BACKREST DAMAGED	0] \$ \$ \tag{7}	Olempe
 (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT 	56	57	CUSHION DAMAGED	71 73 73	<i>n</i>
(6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN SECOND SEAT DAMAGE (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN	<u>O</u> se		VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN Applies to any rear-seat position		<u>)</u>

Duplicate columns 1-8 Module A B Format 0 from the previous card. 9 10 11		AIRBAG	AB-1
DRIVER SIDE LOCATION OF AIRBAG STEERING WHEEL EQUIPPED (0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED DEPLOYED (0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN	13	PASSENGER SIDE LOCATION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX) EQUIPPED (0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED DEPLOYED (0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN	16
CONDITION OF AIRBAG STEERING WHEEL (0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE INOT EQUIPPED OR CONDITION	1 5	CONDITION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX) (0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE NOT EQUIPPEDNOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION	18
DRIVER SIDE AIRBAG STEERING WHEEL TETHER (0) NO (1) YES (6) OTHER (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED	<u>Q</u>	PASSENGER SIDE AIRBAG INSTRUMENT PANEL (GLOVE BOX) TETHER (0) NO (1) YES (6) OTHER (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED	21
MARKED BY CONTACT (0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN		MARKED BY CONTACT (0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN	$\frac{O}{Z}$

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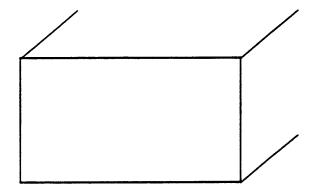
AIRBAG AB-2

AIRBAG NUMBER ON DRIVER SIDE:



AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR DAMAGE ON DIAGRAM BELOW:



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,

OCCUPANT INFORMATION AND INJURY CLASSIFICATION,

ARE TO BE FILLED IN

FOR EACH CASE VEHICLE OCCUPANT,

WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

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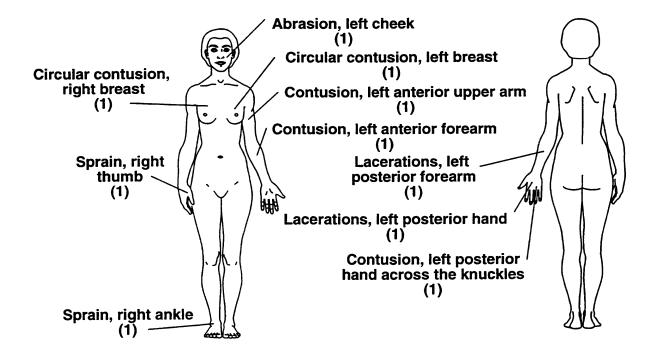
Duplicate columns 1-8 from the previous card. Module O C Format 0 11	2 12	OCCUPANT INFORMATION (OC-1
OCCUPANT IDENTIFICATION OCCUPANT NUMBER ROLE OF OCCUPANT AT 1ST IMPACT (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN OCCUPANT POSITION	O 13 14 15	PHYSICAL DESCRIPTION AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN MASS (kg) (999) UNKNOWN	6 0 20 21 22 22 24 25
ROW LOCATION (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN	16	HEIGHT (cm) 512" (999) UNKNOWN SEX (1) MALE (2) FEMALE (9) UNKNOWN	15 27 28 30
LATERAL LOCATION (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN	17	MEDICAL CONDITIONS TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA	31 3
(10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: ————————————————————————————————————	18 19	(07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN INJURY SEVERITY SCORE (ISS) (99) UNKNOWN NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	33 3

		OCCUPANT INFORMATION	OC-2
MEDICAL CONDITIONS (CONT.) POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN	2 36	CHILD SEAT TYPE (00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN CHILD SEAT MAKE/MODEL	81
RESTRAINT SYSTEM			
ACTIVE RESTRAINT SYSTEM (0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN ACTIVE RESTRAINT SYSTEM USAGE	37	EJECTION DEGREE OF EJECTION (0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED	43
(0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN	38	AREA OF EJECTION (01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR	5
(0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: (9) UNKNOWN	39	FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:	
(0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN	<u>}</u>	HEAD RESTRAINT HEAD RESTRAINT AVAILABLE FOR THIS POSITION (0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN	1/46

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		OCCUPANT INFORMATION	OC-3
OCCUPANT EYEWEAR (0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER (8) NOT APPLICABLE (9) UNKNOWN	0	SOURCE OF INFORMATION (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN	7 48

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8 from the previous card.

Module I C Format 0 1

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION	OCCUPANT	INJURY C	LASSIFICATION
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						PRIM	ARY (DIC		A	ssoc	IATE	OIC	!	cc	MMENTS
OCCUPANT NUMBER	INJURY NUMBER	PROBAB START V IN 1ST C	BILITY (HOF NITH MOST CONTACT A	IN ORDER OF RIZONTALLY) PROBABLE REA COLUMN. BLE CONTACT	BODY REGION 1	ASPECT N	C NOISE	SYSTEM/ORGAN 4	SEVERITY W	BODY REGION 1	ASPECT O	TESION 3	SYSTEMORGAN &	SEVERITY 15		
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30		
01	01	87		CHECK	F	4	A	I	<u>/</u>	_	_	_		_		
	02	8 Z			A	<u>_</u>	<u>c</u>	I	7	_		_		_		
	<u>03</u>	<u>87</u>			R	<u></u>	<u>c</u>	I	1	_		_		_		
	04	12	87	Fling	K	<u></u>	4	I		_	_	_	_	_		
	05	12	87	Fling	W	<u>_</u>	<u>_</u>	I	<u>/</u>	_	_	_				
	06	12	87	FLUS	W	1	<u>c</u>	I	<u>/</u>	_	_		_			
	07	87		CIRCULAR	c	4	<u>c</u>	I	· <u>/</u>			_				
	08	87		CISCULAR	ح	R	<u></u>	I			_					
ach line	09	87	65		W	L	<u>5</u>	I	7	_	_	_				
Occupant Number' for each line	10	28	40	TOE CAN			<u>s</u>			_		_				
ant Num					_	_		_			_		_			
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CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

_	_		··· OSITIAS!
	OF PASSENGER COMPARTMENT	SIDES	
	SUNVISOR, FITTING(S) &/OR TOP MOLDING	(20)	SURFACE OF SIDE INTERIOR
(12)	WINDSHIELD	(19)	HARDWARE ON SIDE OR DOOR
		(13)	ARMREST ON SIDE OR DOOR
(05)		(24)	COAT HOOK
(54)			•
(55)		(22)	
(56)		(21)	WINDOW FRAMES (SIDE)
(81) (02)	- · · · · · · · · · · · · · · · · · · ·		
(47)		(26)	
(-//	AIRDAG (ACAS) COMPARTMENT DOOR/COVER	, ,	A-PILLAR
(57)	BENEATH INSTRUMENT PANEL	•	B-PILLAR
(53)	PARCEL TRAY		C-PILLAR
(48)	KNEE RESTRAINT	(17)	D-PILLAR
(86)	VERTICAL CONSOLE	FLOOR	
10-,			FLOOR
(28)	FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)	(40)	
()	(TO TO THE CONTRACT OF STATE	(27)	
(09)	STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)	(44)	
(65)	STEERING WHEEL	(85)	
(66)	STEERING WHEEL COLUMN	(28)	,
(59)	TRANSMISSION LEVER ON COLUMN	(91)	KICKPANEL
,,		Roof	
(03)	HARDWARE ITEM (SPECIFIC AREA UNKNOWN)	(25)	ROOF OR CONVERTIBLE TOP
(82)	INSTRUMENT(S)	(10)	
(83)	CONTROL KNOB(S) & LEVER(S) (FRONT)	(26)	
(84)	PARKING BRAKE HANDLE IN FRONT	(24)	
(67)	IGNITION KEY	(18)	
(06)	MIRROR	(39)	
(04)	HEATER OR AIR CONDITIONING DUCTS	(68)	
(01)	AIR CONDITIONING OR VENTILATION OUTLET(S)	(SS)	
(08)	RADIO (BUILT IN)	(63)	NOLL BAN
(58)	ADD-ON TAPE DECK, RADIO, A/C	EXTERIC	OR SURFACE OF CASE VEHICLE
(68)	ROOF MOUNTED CONTROLS/CONSOLES		OUTSIDE SURFACE OF CASE VEHICLE
		(0.7)	(SPECIFIC AREA UNKNOWN)
REAR		(35)	HOOD OF CASE VEHICLE
(88)	SURFACE OF REAR INTERIOR	(60)	EXTERIOR OF CASE VEHICLE (E.G.
(23)	REAR WINDOW	. (00)	OUTSIDE MIRRORS, ANTENNA, TRIM)
	REAR WINDOW HEADER	(62)	EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
(50)	REAR SEAT CUSHION & BACK	(63)	TRUNK LID OF CASE VEHICLE
•		(64)	TIRES OF CASE VEHICLE
	R-GENERAL		
	TRANSMISSION SELECTION LEVER (LOCATION UNK.)	BEYOND	CASE VEHICLE BOUNDARY
(59)	TRANSMISSION LEVER ON STEERING COLUMN		AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
(44)	TRANSMISSION LEVER ON FLOOR OR CONSOLE	(70)	HOOD OF OTHER VEHICLE
	PARKING BRAKE HANDLE (LOCATION UNKNOWN)	(71)	OTHER VEHICLE EXTERIOR HARDWARE (E.G.
(84)	PARKING BRAKE HANDLE IN FRONT		OUTSIDE MIRRORS, ANTENNA, TRIM)
(85)	PARKING BRAKE HANDLE ON FLOOR OR CONSOLE	(73)	EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
(28)	FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)	(74)	HEADLIGHT OR FRONT GRILL OF OTHER VEH.
(00)	FRONT CEAT DAGGG	(75)	TRUNK OF OTHER VEHICLE
(29)	FRONT SEAT-BACK(S)	(76)	OUTSIDE SURFACE OF OTHER VEHICLE
	FRONT SEAT CUSHION	(77)	TIRES OF OTHER VEHICLE
	REAR SEAT CUSHION & BACK	(78)	GROUND
(49) (89)	ARMREST ON SEAT	(79)	WATER
(69)	UNDER SEAT BOTTOM	(80)	EXTERIOR OBJECT (NOT VEHICLE, GROUND,
(33)	RESTRAINT SYSTEM HARDWARE		OR WATER. PLEASE DESCRIBE.)
(34)			
(87)	RESTRAINT SYSTEM WEBBING AIR CUSHION SKIN (AIRBAG)		ATING OBJECTS
(47)	AIRBAG (ACRS) COMPARTMENT DOOR/COVER		OTHER VEHICLE
(46)	AIRBAG GAS	(72)	OBJECTS (DESCRIBE)
(48)	KNEE RESTRAINT	14.aa	
	HEAD RESTRAINT	MISCELL	·
	CHILD SEAT RESTRAINTS		NO CONTACT (INVALID FIELD FORM CODE)
	CHILD SEAT		OTHER (E.G. FIRE. DESCRIBE)
	INTERIOR LOOSE OBJECT	• •	SPARE TIRE
	OTHER OCCUPANT(S)	(96)	
	INTERNAL FLYING GLASS (FROM ANY SOURCE)		EJECTED, UNKNOWN CONTACT IMPACT FORCE, "WHIP! ASH"
,		(36)	INTERVITURUE. WHIPLASH"

(41) UNKNOWN INTERIOR SURFACE

(98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION

(99) UNKNOWN AREA OF CONTACT

INJURY CLASSIFICATION IC-3 THE FIGURE BELOW IS AN EXPLANATION OF THE BODY REGION CODES LISTED ON PAGE IC - 4. ___(H) HEAD _ (F) FACE - (N) NECK -" (S) SHOULDER " (BS) THORACIC SPINE C) CHEST (A) UPPER ARM (E) ELBOW (R) FOREARM (W) WRIST . (W) HAND (BI) LUMBAR SPINE (M) ABDOMEN (P) PELVIS THIGH -- (K) KNEE-- (L) LOWER LEG -(Q) ANKLE (Q) FOOT-

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CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

- (H) HEAD/SKULL
- (F) FACE
- (N) NECK
- (S) SHOULDER
- (X) UPPER EXTREMITIES
- (A) ARM (UPPER)
- (E) ELBOW
- (R) FOREARM
- (W) WRIST/HAND
- (C) CHEST
- (M) ABDOMEN
- (B) BACK
- (P) PELVIC/HIP
- (Y) LOWER EXTREMITIES
- (T) THIGH
- (K) KNEE
- (L) LEG (LOWER)
- (Q) ANKLE/FOOT
- (O) WHOLE BODY
- (U) UNKNOWN

3 LESION

- (L) LACERATION
- (C) CONTUSION
- (A) ABRASION
- (F) FRACTURE
- (P) PERFORATION, PUNCTURE
- (K) CONCUSSION
- (V) AVULSION
- (R) RUPTURE
- (S) SPRAIN
- (D) DISLOCATION
- (N) CRUSH
- (M) AMPUTATION
- (B) BURN
- (G) DETACHMENT, SEPARATION
- (Z) FRACTURE AND DISLOCATION
- (T) STRAIN
- (E) TOTAL SEVERANCE, TRANSECTION
- (O) OTHER
- (U) UNKNOWN

4 SYSTEMORGAN

- (S) SKELETAL
- (V) VERTEBRAE
- (J) JOINTS
- (D) DIGESTIVE
- (L) LIVER
- (N) NERVOUS SYSTEM
- (B) BRAIN
- (C) SPINAL CORD
- (E) EARS
- (O) EYES
- (A) ARTERIES
- (H) HEART
- (Q) SPLEEN
- (G) UROGENITAL
- (K) KIDNEYS
- (R) RESPIRATORY
- (P) PULMONARY/LUNGS
- (M) MUSCLES
- (T) THYROID, OTHER ENDOCRINE GLAND
- (I) INTEGUMENTARY (SKIN)
- (W) ALL SYSTEMS IN REGION
- (U) UNKNOWN

2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

SEVERITY 5 SYSTEM/ORGAN 4 LESION 5 ASPECT 0 BODY REGION 1

5 SEVERITY (OR *AIS*, ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN

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t Available







5-98













96 61





































OHISE YOU SWINGTONS
OHISE YOU CALL TIME SINGS
TYPE: Letters Limbs, 4-door and an

OCCUPANT (Driver) Seyear-cel tenses

TEXTURE 185 on (EAS) 56 leg (198 leg

PEETRAATE Septimeted work, since deployed

STATES 1 1000 1 1

